

Client (10.0.0.100:54321)

Tofino Pipeline

Backend (10.0.0.2:8080)

Client-to-Server (request)

src 10.0.0.100:54321, dst 10.0.0.10 (VIP):8080

node_selector: match VIP,
hash(5-tuple) → member 0,
rewrite dst → 10.0.0.2,
is_lb_packet = true

client_snat: SKIPPED

forward: dst 10.0.0.2 → port 140

deparser: recompute checksums

src 10.0.0.100:54321, dst 10.0.0.2:8080

Server-to-Client (response)

src 10.0.0.2:8080, dst 10.0.0.100:54321

node_selector: NO MATCH,
is_lb_packet = false

client_snat: match src_port 8080,
rewrite src → 10.0.0.10 (VIP)

forward: dst 10.0.0.100 → port 148

deparser: recompute checksums

src 10.0.0.10 (VIP):8080, dst 10.0.0.100:54321

Client (10.0.0.100:54321)

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